

Oil Field Environmental Incident Summary

Incident: 20141130150936 **Date/Time of Notice:** 11/30/2014 15:09

Responsible Party: MARATHON OIL COMPANY

Well Operator: MARATHON OIL COMPANY

Well Name: L.R. 21-16H

Field Name: KILLDEER

Well File #: 17316

Date Incident: 11/29/2014 **Time Incident:** 16:15

Facility ID Number:

County: DUNN

Twp: 145

Rng: 94

Sec: 16

Qtr:

Location Description: The LR 21-16H well had a flare upset on 11/29/2014. This flare upset caused a spill that totaled 6.83 barrels of oil. There was a mist that went off location to the southeast.

Submitted By: Duell Petsch

Received By:

Contact Person: Duell Petsch
3172 HWY 22 N
DICKINSON, ND 58601

General Land Use: Well/Facility Site

Affected Medium: Well/Facility Soil

Distance Nearest Occupied Building:

Distance Nearest Water Well:

Type of Incident: Other

Release Contained in Dike: No

Reported to NRC: No

	Spilled	Units	Recovered	Units	Followup	Units
Oil	5.3	Barrels	5.3	Barrels	4.23	barrels

Brine

Other

Description of Other Released Contaminant:

Inspected:

Written Report Received: 12/9/2014

Clean Up Concluded: 12/3/2014

Risk Evaluation:

No immediate risk as spill was contained except for a light mist. Mist affected vegetation and snow to the southeast of location.

Areal Extent:

Potential Environmental Impacts:

No potential impacts as all oil, except for mist, was contained on location. Only a mist got off location and poses no threat to surface water, groundwater or soils as a small amount actually misted off location.

Action Taken or Planned:

Well was shut in immediately upon finding the flare upset. When the upset was found it was 4:15 PM and almost dark. Spill response crew went out to location to make sure spill would stay on location and then waited till morning to get the spill completely cleaned up. Well continued to be shut in till morning until problem could be identified and fixed before well started back up. An investigation will take place which will identify why this happened and put into place an action which will help prevent this from happening again.

Wastes Disposal Location: Contaminated material will be disposed of at Clean Harbors.

Agencies Involved:**Updates**

Date: 12/1/2014 **Status:** Reviewed - Follow-up Required

Author: Roberts, Kris

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Release, due to a flare upset, sprayed some volume (reported as 0.02 bbls) off location to the SE. Company indicates off-site impact will only be addressed if the landowner requests. Landowner is NOT the State Trust Land Department. Followup is necessary. Email sent to the company indicating that off-site impacts are to be addressed, unless landowner states in writing that company is not to remove the off- location impact.

Date: 12/3/2014 **Status:** Awaiting Documentation

Author: O'Gorman, Brian

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Arrived on location at 10:00. 12 degrees F, clear, calm winds. Observed site and took photographs. Inspection of the well pad and surrounding area showed that the release must have occurred from the flare stack located in the southwest corner of the well pad. Vegetation and scraped soils toward the southeast of the pad and contaminated soil were piled on a plastic sheet just east of the flare. Observations of the area of removed vegetation and surrounding areas showed no remaining impacts to the soils or vegetation. Spoke with the company rep, and he reported that he was waiting on the contractor to remove the piled soils to Clean Harbors landfill. The company rep said no soil samples were taken to document complete remediation. He was asked to take one composite sample of the remediated area and test for DRO and provide the results to the response team. No further on-site followup required unless lab samples show impacts to the area.

Date: 12/9/2014 **Status:** Correspondence

Author: O'Gorman, Brian

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Received from company representative an email with the NDIC followup spill report. Email and spill report added to report folder. Followup required regarding confirmation sample on property outside of wellpad perimeter.

Date: 2/18/2015 **Status:** Correspondence

Author: O'Gorman, Brian

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Received an email with soil sample results on Monday 2/16/15. GRO results showed No Detect, and DRO results showed 35 mg/kg. Sent Mr. Petsch a return email asking for him to send information on the location of the sample and what type of sample was collected, with a map if possible. More followup needed to determine if sample was collected in area of inspection.

Date: 2/25/2015 **Status:** Correspondence

Author: O'Gorman, Brian

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Received an email from the company contact on 2/24/15, asking if we had received the documentation needed to close the incident. Review of the soil sampling map and lab results showed that a majority of the release had been removed and the small amount remaining (35 ppm DRO, 5 point composite sample) should naturally attenuate when the weather warms up this spring/summer. No further followup required. Emails and reports in the incident database.